



Attorney's Docket No.: 11926-015001

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1655  
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TECH CENTER 1600/29C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Vincent P. Stanton, Jr. Art Unit : 1655  
Serial No. : 09/658,659 Examiner : A. Chakrabarti  
Filed : September 8, 2000  
Title : GENE SEQUENCE VARIANCE IN GENES RELATED TO FOLATE  
METABOLISM HAVING UTILITY IN DETERMINING THE TREATMENT OF  
DISEASE

Commissioner for Patents  
Washington, D.C. 20231

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TRANSMITTAL LETTER

Correspondence relating to this application is enclosed. The required fees are computed below. Please apply any charges not covered, or any credits, to Deposit Account No. 06-1050.

Total Claims	32	-	16	=	16	\$144
Independent	4	-	3	=	1	\$42
First Presentation of Multiple Dependent Claims						\$140
Applicant hereby petitions under 37 C.F.R. §1.136 for a 0 month extension of time.						\$0
<b>TOTAL FEE DUE</b>						<b>\$326</b>

A check for \$326 is attached.

Respectfully submitted,

Anita L. Meiklejohn, Ph.D.  
Reg. No. 35,283

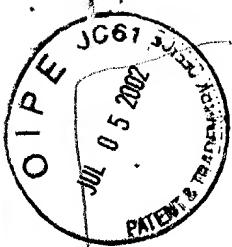
Date: 27 JUNE 2002  
Fish & Richardson P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

20434110.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

June 27, 2002  
Date of Deposit  
Carrie A. Amonte  
Signature  
Carrie A. Amonte  
Typed or Printed Name of Person Signing Certificate



Attorney's Docket No.: 11926-015001

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TECH CENTER 1600/290

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Vincent P. Stanton, Jr.  
Serial No. : 09/658,659  
Filed : September 8, 2000  
Title : GENE SEQUENCE VARIANCE IN GENES RELATED TO FOLATE METABOLISM HAVING UTILITY IN DETERMINING THE TREATMENT OF DISEASE

Commissioner for Patents  
Washington, D.C. 20231

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RESPONSE

In response to the action mailed April 25, 2002, please amend the application as follows:

In the claims:

~~Cancel claims 171-181.~~

Add new claims 182-201 as follows.

-->  
~~182. An isolated nucleic acid probe comprising at least 15 contiguous nucleotides of the nucleotide sequence of SEQ ID NO:15 (methylenetetrahydrofolate reductase), the probe comprising at least one of:~~

*SURE*  
*D1*

- (a) nucleotide 464 of SEQ ID NO:15 wherein N is G;
- (b) nucleotide 519 of SEQ ID NO:15 wherein N is T;
- (c) nucleotide 668 of SEQ ID NO:15 wherein N is T;
- (d) nucleotide 1059 of SEQ ID NO:15 wherein N is C;
- (e) nucleotide 1289 of SEQ ID NO:15 wherein N is A;
- (f) nucleotide 1308 of SEQ ID NO:15 wherein N is C; and

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07/10/2002 AOSMANI 00000089 09658659

01 FC:202	42.00 OP
02 FC:203	144.00 OP
03 FC:204	140.00 OP

Date of Deposit

June 27, 2002

Signature

Carrie A. Amonte

Carrie A. Amonte

Typed or Printed Name of Person Signing Certificate